REMARKS

Claims 2-3, and 5-46 are pending. Claims 2-46 have been rejected under 35 U.S.C. 103 (a) as being unpatentable over Comstock et al. (Comstock) (US 2004/00883266 A1), in view of Schneider et al. (Schneider) (US Patent No. 6,539,418). Claim 4 has been withdrawn. Claims 2 and 27 have been have been amended to more accurately disclose applicants' invention. Basis for the amendment of claims 1 and 27 appear on page 21, lines 1 -15 of the present application.

Claims 2-3 and 5-46 stand rejected over Comstock in view of Schneider. Paragraph 9 of the official action states:

> Schneider teaches a LCD controller includes video digitizer that receives and converts analog signals into digital signals (figure 1, col. 3, line 56-col. 4, line 17, col. 5, line 49-col. 6, line 38).

Applicant has closely reviewed Schneider and can find no reference to LCD controllers. Column 3, lines 56 to Column 4 line 17 of Schneider discusses a

> "the computer that indirectly controls the target device(s) is referred to herein as "the controlling computer." The computer 12 in FIG. 1A is the controlling computer and is shown in greater detail in FIG. 2."

Schneider refers to computer 12 as the "controlling computer"- a computer for controlling the overall KVM switching system. However, no reference is made to an LCD controller originally in intended to drive a liquid crystal display. Further, Col. 5, line 49-col. 6, line 38 of Schneider states

> In the embodiment shown in FIG. 1A, the target controller 50 is implemented as a computer having similar components to the controlling computer 12. Those components include computer code devices for performing portions of the method of the present invention. In the embodiment of FIG. 1A, the target controller 50 includes at least one internal "plug-in" or "add-in" card labeled "Controller card 1." In an alternate embodiment, the target controller 50 includes at least one

controller integrated onto the motherboard of the computer. In either of those embodiments, the target controller optionally also attaches to local keyboard, mouse and video connections. In yet another alternate embodiment, the target controller is a stand-alone device similar to a router or a switch. In the router/switch configuration, the keyboard, mouse and screen are not required and the router/switch is configured remotely-either through the communications device 53 or through a separate control interface (not shown). Remote configuration may be via a direct connection, a local area network or a wide area network (e.g., the Internet). In addition, the router/switch configuration may be updated through a removable medium (e.g., a floppy disk or CD-ROM) inserted into the router/switch. In the preferred embodiment, the target controller 50 is a computer system running Windows NT (or its successor Windows 2000) and is connected to at least one plug-in card. Alternate embodiments utilize Windows CE, UNIX, Linux or MacOS as the operating system. The target controller 50 can be further reduced and integrated into a KVM switch or into another target device (e.g., integrated on the motherboard of a target computer or included on a peripheral card of the target computer). Illustrative embodiments are shown in FIGS. 1B and Ie. After configuration, the target controller 50 operates to capture the video output of the target device. The captured video signals are stored in either a frame buffer internal to the controller card or in a memory shared with other components of the computer. In addition, the controller card 50 fills a set of keyboard/mouse buffers internal to the controller card with keyboard and mouse commands to be sent to the target device. If the target device supports bi-directional mouse and keyboard communication, then the controller card also includes at least one buffer for receiving communications from those devices. Those commands are sent to the controlling computer 12. The controller 50 includes a video digitizer that receives and converts the analog signals output by connected target device. The controller stores the converted signals in digital form in the video memory (shared with the mother board or dedicated to the controller card) as digital video data. After a configurable amount of processing, the digital video data is sent from the target controller 50 to the controlling computer 12. Based on the desired cost, complexity and performance of the controller, various processing tasks are divided between the hardware and software of the controller 50.

Schneider does discuss alternate embodiments of a target controller as a computer, a switch, or even an integrated into other components. However, these controllers referred to the overall controllers of the KVM switching system, and do not refer to LCD controller originally in intended to drive a liquid crystal display.

The examiner has noted in Paragraph 7 of the present office action that "In response to applicant's arguments against the references individually, one cannot show no obviousness by

attacking references individually where the rejections are based on combinations of references." The applicant respectfully submits that the relevant claim element and LCD controller, is neither taught nor suggested by either of the combined references. The Examiner has stated in the current office action that Comstock does not teach an LCD controller. Schneider, as demonstrated above, teaches a target controller for a KVM system, but does not teach and LCD controller – a video controller explicitly designed for driving a liquid crystal display. Claims 1 and 27 have been amended to more clearly define and highlight this aspect of the present invention.

The other claims pending in this application are each dependent from one or another of the independent claims discussed above and are therefore believed patentable for at least the same reasons. Because each dependent claim is also deemed to define an additional aspect of the invention, however, the individual consideration or reconsideration, as the case maybe, of the patentability of each on its own merits is respectfully requested.

In view of the foregoing amendments and remarks, Applicant respectfully requests favorable reconsideration and allowance of the present application. If, however, there are any unresolved issues, it is requested that the Examiner contact Applicants' representative via telephone so that such issues can be quickly resolved.

Correspondence and Fees

Filed concurrently herewith is a request for a one-month extension of time to respond and the fee of $130.00. No additional fees are believed to be necessitated by the instant response. However, should this be in error, authorization is hereby given to charge Deposit Account no. 03-3839 for any underpayment, or to credit any overpayments.

Please address all correspondence to the correspondent address for **Customer No. 26345 of Intellectual Docket Administrator, Gibbons P.C.,** One Gateway Center, Newark, NJ 07102-5310. Telephone calls should be made to Andrew M. Grodin at (973) 569-4553 and fax communications should be sent directly to him at (973) 639-8355.

Respectfully submitted,

Andrew M. Grodin
Reg. No. 50,728

Gibbons PC
One Gateway Center
Newark, NJ 07102
(973) 596-4500